COMPUTER-AIDED DETECTION SYSTEMS AND METHODS FOR ENSURING MANUAL REVIEW OF COMPUTER MARKS IN MEDICAL IMAGES

Abstract of the Disclosure

CAD (computer-aided detection) systems, methods and tools are provided for automatically inserting "false" marks (e.g., incorrect marks, misleading marks, etc.) in medical images to ensure an unbiased CAD-assisted review of the marked medical images by physicians, clinicians, radiologists, etc. For example, a method for automatic detection of medical conditions in medical images includes the steps of receiving image data, processing the image data to detect potential medical conditions in the image data, adding a mark in the image data that indicates a detected medical condition, adding a false mark in the image data; and outputting marked image data comprising one or more marks that indicate a detected medical condition, or one or more false marks, or both. The individual performing a CAD-assisted review of the "marked" image data is aware that one or more "false" marks may be included in displayed images, which prevents blind reliance on the CAD results.